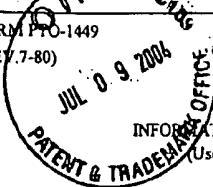


FORM PTO-1449 (REV. 7-80) 	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 690068.412C4	APPLICATION NO. 10/820,983
	INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			
	APPLICANTS Lawrence Steinman et al.		FILING DATE April 8, 2004	GROUP ART UNIT 1653

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JRL	AA	5,468,481	11/21/95	Sharma et al.	530	402	
JRL	AB	5,858,980	01/ /99	Weiner et al.	514	13	
JRL	AC	6,329,499	12/ /01	Ling et al.	530	327	
JRL	AD	6,369,033	04/09/02	Steinman et al.	514	14	
JRL	AE	6,489,299	12/03/02	Steinman et al.	514	14	
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







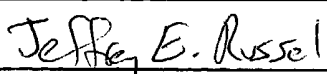
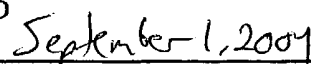
FOREIGN PATENT DOCUMENTS

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JRL	AM	WO 93/08212	04/29/93	WIPO	<input checked="" type="checkbox"/> <input type="checkbox"/>
JRL	AN	WO 93/21222	10/28/93	WIPO	<input checked="" type="checkbox"/> <input type="checkbox"/>
JRL	AO	WO 95/08572	03/30/95	WIPO	<input checked="" type="checkbox"/> <input type="checkbox"/>

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)



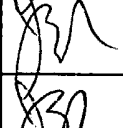
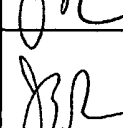
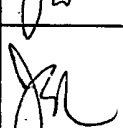
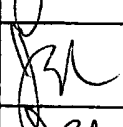
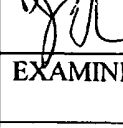
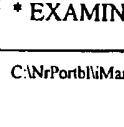
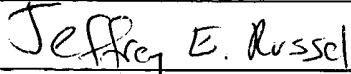
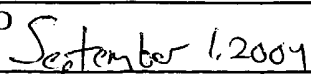
JRL	AP	Abstract 65027 from Biol. Abstr. 81(7): AB-701 (1985) of the article "Monoclonal antibodies to human myelin basic protein," by Chou et al., J. Neurochem. 46(1): 47-53, 1985.
JRL	AQ	Acha-Orbea et al., "Limited Heterogeneity of T Cell Receptors from Lymphocytes Mediating Autoimmune Encephalomyelitis Allows Specific Immune Intervention," Cell 54: 263-273, 1988.

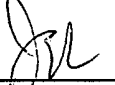

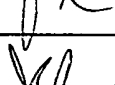
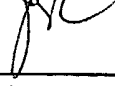


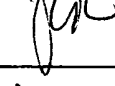
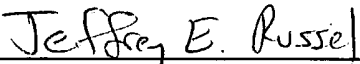
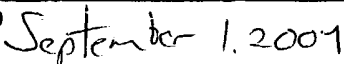
EXAMINER Jeffrey E. Russel	DATE CONSIDERED September 1, 2004
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INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANTS Lawrence Steinman et al.			
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U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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	BE						
OTHER PRIOR ART <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
	F	Babbitt et al., "Antigenic competition at the level of peptide-Ia binding," Proc. Natl. Acad. Sci. USA 83: 4509-4513, 1986.					
	BG	Bernard C., "Experimental Autoimmune Encephalomyelitis in Mice: Genetic Control of Susceptibility," Journal of Immunogenetics 3: 263-274, 1976.					
	BH	Brocke et al., "In Vitro Proliferative Responses and Antibody Titers Specific to Human Acetylcholine Receptor Synthetic Peptides in Patients with Myasthenia Gravis and Relation to HLA Class II Genes," J. Clin. Invest. 81: 1894-1900, 1988.					
	BI	Brostoff and Howell, "T Cell Receptors, Immunoregulation, and Autoimmunity," Clinical Immunology and Immunopathology 62(1): 1-7, 1992.					
	BJ	Carter and Rodriguez, "Immunosuppressive Treatment of Multiple Sclerosis," Mayo Clin. Proc. 64: 664-669, 1989.					
	BK	Chou et al., "Identity of Myelin Basic Protein from Multiple Sclerosis and Human Control Brains: Discovery of a Genetic Variant," Journal of Neurochemistry 30: 745-750, 1978.					
	BL	Chou et al., "Monoclonal antibodies to human myelin basic protein," Abstract 65027 from Biol. Abstr. 81(7): AB-701, found in J. Neurochem. 46(1): 47-53, 1985.					
	BM	Cover of Journal of Immunology, vol. 153, No. 4, issued Aug. 15, 1994 (date-stamped Aug. 11, 1994)					
	BN	Day et al., "The Polyclonal Antibody Response of Lewis Rats to the Synthetic Encephalitogenic Neuropeptide S55S (Residues 72-84 of Guinea Pig Myelin Basic Protein) and Its Analogs," Journal of Neuroscience Research 18: 214-221, 1987.					
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	CF	Day et al., "The Polyclonal Antibody Responses of Lewis Rats to the Synthetic Encephalitogenic Neuropeptide S55S (Residues 72-84 of Guinea Pig Myelin Basic Protein) and Its Analogs," Journal of Neuroscience Research 18: 214-221, 1987.					
JR	CG	Einstein et al., "Suppression of Experimental Allergic Encephalomyelitis By Chemically Modified Encephalitogen," Immunochemistry 9: 1013-1019, 1972.					
JR	CH	Evavold and Allen, "Separation of IL-4 Production from Th Cell Proliferation by an Altered T Cell Receptor Ligand," Science 252: 1308-1310, 1991.					
JR	CI	Gammon et al., "Neonatal T-cell tolerance to minimal immunogenic peptides is caused by clonal inactivation," Nature 319: 413-415, 1986.					
JR	CJ	Gaur et al., "Amelioration of Autoimmune Encephalomyelitis by Myelin Basic Protein Synthetic Peptide-Induced Anergy," Science 258: 1491-1494, 1992.					
JR	CK	Gautam et al., "A Polyalanine Peptide With only Five Native Myelin Basic Protein Residues Induces Autoimmune Encephalomyelitis," J. Exp. Med. 176: 605-609, 1992.					
JR	CL	Gautam et al., "Inhibition of Experimental Autoimmune Encephalomyelitis By a Nonimmunogenic Non-Self Peptide That Binds to I-A ^{sup.u} ," Journal of Immunology 148(10): 3049-3054, 1992.					
JR	CM	Hadden et al., "Thymic Hormones, Interleukins, Endotoxin and Thymomimetic Drugs in T Lymphocyte Ontogeny," in Advances in Immunopharmacology 3, L. Chedid et al. (Eds.), 1985, pp. 487-497.					
EXAMINER Jeffrey E. Russel				DATE CONSIDERED September 1, 2004			
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OTHER PRIOR ART <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
JAL	DG	Hashim and Day, "Synthetic Peptide Analogs to Probe the Immunological Expression of the Rat Encephalitogenic Neuropeptide," Journal of Neuroscience Research 18: 209-213, 1987.					
JAL	DH	Hashim et al., "Suppression and Reversal of Allergic Encephalomyelitis in Guinea Pigs with a Non-Encephalitogenic analogue of the Tryptophan Region of the Myelin Basic Protein," Journal of Immunology 116(1): 126-130, 1976.					
JAL	DI	Hashim, G., "Experimental Allergic Encephalomyelitis: Activation of Suppressor T Lymphocytes By a Modified Sequence of the T Effector Determinant," Journal of Immunology 126(2): 419-423, 1981.					
JAL	DJ	Jahnke et al., "Sequence Homology Between Certain Viral Proteins and Proteins Related to Encephalomyelitis and Neuritis," Science 229: 282-284, 1985.					
JAL	DK	Kardys and Hashim, "Experimental Allergic Encephalomyelitis in Lewis Rats: Immunoregulation of Disease By a Single Amino Acid Substitution in the Disease-Inducing Determinant," Journal of Immunology 127(3): 862-866, 1981.					
JAL	DL	Karin et al., "Reversal of Experimental Autoimmune Encephalomyelitis by a Soluble Peptide Variant of a Myelin Basic Protein Epitope: T Cell Receptor Antagonism and Reduction of Interferon .gamma. and Tumor Necrosis Factor .alpha. Production," J. Exp. Med. 180: 2227-2237, 1994.					
JAL	DM	Kira et al., "Experimental Allergic Encephalomyelitis in Rabbits. A Major Encephalitogenic Determinant within Residues 1-44 of Myelin Basic Protein," J. of Neuroimmunol. 12(3): 183-193, 1986.					
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OTHER PRIOR ART <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
	EF	Kuchroo et al., "A Single TCR Antagonist Peptide Inhibits Experimental Allergic Encephalomyelitis Mediated by a Diverse T Cell Repertoire," Journal of Immunology 153:3326-3336, 1994.					
	EG	Lamont et al., "Inhibition of Experimental Autoimmune Encephalomyelitis Induction In SJL/J Mice By Using A Peptide With High Affinity For IA.sup.s Molecules," Journal of Immunology 145(6): 1687-1693, 1990.					
	EH	Lehninger, A., "The Amino Acid Building Blocks of Proteins," in Biochemistry, 2nd ed., Worth Publishers, Inc. pp. 71-75, 1975.					
	EI	Martin et al. Diversity in Fine Specificity and T Cell Receptor . . . J. Immunology, vol. 148, No. 5, pp. 1359-1366, 1992					
	EJ	Martin et al., "A Myelin Basic Protein Peptide Is Recognized by Cytotoxic T Cells in the Context of Four HLA-DR Types Associated with Multiple Sclerosis," Journal of Experimental Medicine 173: 19-24, 1991.					
	EK	Martin et al., "Diversity of Fine Specificity and T Cell Receptor Usage of the Human CD4.sup.30 Cytotoxic T Cell Response Specific for the Immunodominant Myelin Basic Protein Peptide 87-106," Journal of Immunology 148(5): 1359-1366, 1992.					
	EL	Martin et al., "Immunological Aspects of Demyelinating Diseases," Annu. Rev. Immunol. 10: 153-87, 1992.					
	EM	Rothbard and Taylor, "A sequence pattern common to T cell epitopes," EMBO J. 7(1): 93-100, 1988.					
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	FE						
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	FF	Rothbard, J., "Peptides and the Cellular Immune Response," Ann. Inst. Pasteur/Virologie 137 E: 518-526, 1986.					
	FG	Rudinger, J., "Characteristics of the amino acids as components of a peptide hormone sequence," in Peptide Hormones, J. A. Parsons (ed.), University Park Press, Baltimore, pp. 1-7, 1976.					
	FH	Sakai et al., "Prevention of experimental encephalomyelitis with peptides that block interaction of T cells with major histocompatibility complex proteins," Proc. Natl. Acad. Sci. USA 86: 9470-9474, 1989.					
	FI	Servis et al., "Two adjacent epitopes on a synthetic dodecapeptide induce lactate dehydrogenase B-specific helper and suppressor T cells," Proc. R. Soc. Lond. B 228: 461-470, 1986.					
	FJ	Sette et al., "Analysis of lysozyme-specific immune responses by synthetic peptides. I. Characterization of antibody and T cell-mediated responses to the N-terminal peptide of hen egg-white lysozyme," Eur. J. Immunol. 16: 1-6, 1986.					
	FK	Smilek et al., "A single amino acid change in a myelin basic protein peptide confers the capacity to prevent rather than induce experimental autoimmune encephalomyelitis," Proc. Natl. Acad. Sci. USA 88: 9633-9637, 1991.					
	FL	Sriram et al., "Administration of Myelin Basic Protein-Coupled Spleen Cells Prevents Experimental Allergic Encephalitis," Cellular Immunology 75: 378-382, 1983.					
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	GE						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
JRL	GF			Steinman et al., "Natural occurrence of thymocytes that react with myelin basic protein," Neurology 30(7): 755-759, 1980.			
JRL	GG			Steinman et al., "Regulation of autosensitisation to encephalitogenic myelin basic protein by macrophage-associated and soluble antigen," Nature 265: 173-175, 1977.			
JRL	GH			Steinman et al., "The Epigenetics Of Multiple Sclerosis: Clues to Etiology and a Rationale for Immune Therapy," Annu. Rev. Neurosci. 17: 247-65, 1994.			
JRL	GI			Su et al., "Synthetic Myelin Basic Protein Peptide Analogs Are Specific Inhibitors of Phospholipid/Calcium-Dependent Protein Kinase (Protein Kinase C)," Biochemical and Biophysical Research Communications 134(1): 78-84, 1986.			
JRL	GJ			Talmadge et al., "Screening Models for Biological Response Modifiers," in 13th International Congress of Chemotherapy. Symposium, Biological Response Modifiers; SY 64 part 203, Vienna Aug. 28-Sep. 2, 1993, pp. 203/19-203/34.			
JRL	GK			Teitelbaum et al., "Specific inhibition of the T-cell response to myelin basic protein by the synthetic copolymer Cop 1," Proc. Natl. Acad. Sci. USA 85: 9724-9728, 1988.			
	GL			Vogt et al., "Ligand Motifs of HLA-DRB5*0101 ... J. Immunology. vol. 153, pp. 1665-1673, 1994."			
JRL	GM			Vogt et al., "Ligand Motifs of HLA-DRB5*0101 and DRB1*1501 Molecules Delineated from Self-Peptides," Journal of Immunology 153: 1665-1673, 1994.			
JRL	GN			Wraith et al., "Antigen Recognition in Autoimmune Encephalomyelitis and the Potential for Peptide-Mediated Immunotherapy," Cell 59: 247-255, 1989.			
EXAMINER Jeffrey E. Russell				DATE CONSIDERED September 1, 2004			
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
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	HE					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

JR	HF	Wraith et al., "T Cell Recognition as the Target for Immune Intervention in Autoimmune Disease," Cell 57: 709-715, 1989.
JR	HG	Wucherpfennig et al. Structure Requirements for Binding of an ... J. Exp. Med. vol. 179, pp. 279-290, 1994.
	HH	Wucherpfennig et al., "Structural Requirements for Binding of an Immunodominant Myelin Basic Protein Peptide to DR2 Isotypes and for Its Recognition by Human T Cell Clones," J. Exp. Med. 179: 279-290, 1994.
JR	HI	Zamvil and Steinman, "The T Lymphocyte in Experimental Allergic Encephalomyelitis," Annu. Rev. Immunol. 8: 579-621, 1990.
JR	HJ	Zamvil et al., "Encephalitogenic T Cell Clones Specific for Myelin Basic Protein," J. Exp. Med. 162: 2107-2124, 1985.
JR	HK	Zamvil et al., "Multiple Discrete Encephalitogenic Epitopes of the Autoantigen Myelin Basic Protein Include a Determinant for I-E Class II-Restricted T Cells," J. Exp. Med. 168: 1181-1186, 1988.
JR	HL	Zamvil et al., "T-cell clones specific for myelin basic protein induce chronic relapsing paralysis and demyelination," Nature 317: 355-358, 1985.
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EXAMINER Jeffrey E. Russell	DATE CONSIDERED September 1, 2004
* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).	